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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/552,970

10/13/2005

Peter Albert Cirkel

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PHILIPS INTELLECTUAL PROPERTY & STANDARDS
PO BOX 3001
BRIARCLIFF MANOR, NY 10510-8001

EXAMINER

DUONG, TAI V

ART UNIT

PAPER NUMBER

2871

MAIL DATE

DELIVERY MODE

01/07/2009

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/552,970	Applicant(s) CIRKEL ET AL.	
	Examiner TAI DUONG	Art Unit 2871	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 26 September 2008.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,2 and 5-10 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1 and 5-10 is/are allowed.
- 6) ☒ Claim(s) 2 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 26 September 2008 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

The replacement drawing sheets filed on 09/26/2008 has been accepted.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claim 2 is rejected under 35 U.S.C. 102(b) as being anticipated by Min et al (US 2002/0163601) cited by Applicant.

Note Figs. 1, 4, 6 and 7 which identically disclose the claimed display device comprising at least a first substrate (not labeled but disclosed in paragraph 0028), a display area (the LCD unit) and at least one electrically controlled input device (the fingerprint capture sensor unit), characterized in that a first conductor pattern for driving said display area (the bus lines of the LCD unit in Figs. 6-7) and a second conductor pattern for transmitting signals from said electrically controlled input device (the bus lines of the fingerprint capture sensor unit in Figs. 6-7) are both arranged on said first substrate, and said first conductor pattern and said second conductor pattern are arranged on a single side of said first substrate. See discussions of the recited features in paragraphs 0005 and 0026-0035.

Response to Applicant's Remarks

With respect to Applicant's remarks that Min et al do not disclose the first conductor pattern and the second conductor pattern arranged on a single side of the first substrate, it is noted that Min et al do imply the above arrangement of the first and second conductor pattern by stating "[R]eferring to FIG. 4, *the fingerprint capture sensor*

Art Unit: 2871

is simultaneously formed on the substrate in which the TFT panel 121 is formed in the same fabrication process. In FIG. 4, the LCD panel and the fingerprint capture sensor *formed in one substrate* are respectively referred to as an "LCD part" and a "fingerprint capture part" (paragraph 0028); "[M]oreover, the present invention has advantages that *both the LCD part and a fingerprint capture sensor can be manufactured in a single fabrication process* without a requirement for maintaining the sizes of the LCD part and the fingerprint capture sensor to be the same, thus increasing its productivity and reducing the manufacturing costs" (paragraph 0035). As apparent from Figs. 1, 4 and 6, the first conductor pattern and the second conductor pattern must be arranged on the *same side* of the substrate 11 (TFT substrate) for the fingerprint capture sensor being *simultaneously formed* on the substrate in which the TFT panel 121 is formed in the same fabrication process (single fabrication process), e.g. depositing the same conductive material at the same time, using the same masks and etching the electrodes or conductor patterns at the same time, etc...

Applicant's arguments filed on 09/26/2008 have been fully considered but they are not persuasive for the above reasons.

Claim 1 is allowed over the prior art of record because none of the prior art discloses or suggests a display device having the combination of the features " a first conductor pattern for driving said display area and a second conductor pattern for transmitting signals from said electrically controlled input device are both arranged on said first substrate" and "a plurality of conducting particles, having a diameter smaller than the distance between said substrates, are arranged between said substrates, in

Art Unit: 2871

the area of said input device". Claims 5-10 are also allowed since they depend on claim 1.

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication should be directed to Tai Duong at telephone number (571) 272-2291.

The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

/TD/
01/09

/Dung Nguyen/
Primary Examiner, Art Unit 2871

Application/Control Number: 10/552,970
Art Unit: 2871

Page 3